# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of

Garg et al.

Serial No.: Not Yet Assigned                    Group Art Unit: Unknown

Filing Date: Concurrently Herewith               Examiner: Unknown

For:    A METHOD TO HIERARCHIAL POOLING OF OPINIONS FROM MULTIPLE
        SOURCES

Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

## INFORMATION DISCLOSURE STATEMENT

Sir:

Under the provisions of 37 CFR §1.97 through §1.99 and pursuant to applicants' duty of disclosure under 37 CFR §1.56, applicants respectfully bring the following documents, listed on the attached form PTO-1449, to the attention of the Examiner in charge of the above-identified application. Copies of the listed documents are provided herewith for the convenience of the Examiner. This citation does not constitute an admission that the references are relevant or material to the claims. They are only cited as constituting related art of which the applicants are aware.

It is respectfully requested that the listed references be considered by the Examiner and formally made of record in this application.

Please charge any deficiencies in fees and credit any overpayment of fees to Attorney's Deposit Account No. 09-0441.

Respectfully submitted,

Mohammad S. Rahman
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Date: 11/26/03

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| | | Docket Number (Optional) | Application Number |
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# INFORMATION DISCLOSURE CITATION
*(Use several sheets if necessary)*

| Docket Number (Optional) | Application Number |
|---|---|
| ARC920030079US1 | Not Yet Assigned |

| Applicant(s) |
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| Garg et al. |

| Filing Date | Group Art Unit |
|---|---|
| Concurrently Herewith | Unknown |

| *EXAMINER INITIAL | OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)* |
|---|---|
| | "Hierarchial Opinion Pools: OLAP for Unstructured Data", T.S. Jayram, Shivakumar Vaithyanathan, Huaiyu Zhu, Almaden Research Center, San Jose, CA 95120, March 25, 2003, pp. 1-14 |
| | "A Probabilistic Framework for Multi-agent Distributed Interpretation and Optimization of Communication", Yang Xiang, Proceedings of the TIME-94 International Workshop on Temporal Representation and Reasoning, September 9, 1994, pp. 1-42 |
| | "A Gentle Tutorial of the EM Algorithm and its Application to Parameter Estimation for Gaussian Mixture and Hidden Markov Models", Jeff A. Blimes, International Computer Science Institute, Berkeley, CA and Computer Science Division, Dept. of Electrical Engineering and Computer Science, U.C. Berkeley, April 1998, 8 pages |
| | "Graphical Representations of Consensus Belief", David M. Pennock, Michael P. Wellman, AI Proceedings of the Fifteenth Conference on Uncertanity in Artificial Intelligence (UAI-99) pp. 531-540, Morgan Kaufmann, San Francisco, 1999 |
| | "Thumbs Up? Sentiment Classification using Machine Learning Techniques", Bo Pang, Lillian Lee, Shivakumar Vaithyanathan, Proc. 2002 Conf. on Empirical Methods in Natural Language Processing (EMNLP), 8 pages |
| | "Aggregating Learned Probabilistic Beliefs", Pedrito Maynard-Reid II, Urszula Chajewska, Uncertainty in Artificial Intelligence 17 (UAI '01), 354-361, 2001 |
| | "The EM Algorithm", University of Pennsylvania, http://www-stat.wharton.upenn.edu/~bob/stat540/EM.pdf, 2001 |
| | "CSE 291 Lecture Notes", University of California, San Diego, http://www.cs.ucsd.edu/users/elkan/291/nov27.html |
| | "Methods for combining experts' probability assessments", Neural Computation, Abstracts, Vol. 7, 867-888, 1995, http://neco.mitpress.org/cgi/content/abstract/7/5/867?maxtoshow=&HITS=10&hits+10&RESULTFORM... |
| | "MindfulEye Launches InvestorLite", DSstar, August 28, 2003, http://www.hpcwire.com/dsstar/01/0327/102852.html, 1 page |
| | "No, this scheme isn't gobbledegook", Hugh Anderson, Financial Post, National Post Online, December 23, 2000, http://www.sfu.ca/~mtaboada/NATIONAL_POST_ONLINE_Search_Results_Story.htm, 2 pages |
| | |

| EXAMINER | DATE CONSIDERED |
|---|---|
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*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

P09B/REV04